

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A high strength steel for induction hardening, ~~comprising~~ consisting essentially of, by mass:

carbon (C): 0.5 to 0.7%,

silicon (Si): ~~0.5~~ 0.59 to 0.9%,

manganese (Mn): 0.5 to 1.0%,

chromium (Cr): not more than 0.4%, and

sulfur (S): not more than 0.035%,

with the balance consisting of iron (Fe) and unavoidable impurities, said steel being forged into a component at least a part of which is then inductively hardened before use.

2. (Original) The high strength steel for induction hardening according to claim 1, wherein the equivalent of carbon  $C_{eq}$  represented by formula (1) satisfies a requirement represented by formula (2):

$$C_{eq} = C\% + 1/7 Si\% + 1/5 Mn\% + 1/9 Cr\% - 5/7 S\% \quad (1)$$

$$0.75 \leq C_{eq} \leq 0.90 \quad (2)$$

3. (Original) A component produced by inductively hardening at least a part of a product produced by casting the steel according to claim 1.

4. (Currently Amended) The component according to claim 3, wherein the component is ~~a hub unit or~~ a joint.

5. (Canceled)

6. (Currently Amended) A high strength steel for induction hardening, having improved machinability, said steel ~~comprising~~ consisting essentially of, by mass:

carbon (C): 0.5 to 0.7%,

silicon (Si): ~~0.5~~ 0.64 to 1.0%,  
manganese (Mn): 0.5 to 1.0%,  
chromium (Cr): not more than 0.4%,  
sulfur (S): not more than 0.035%, and  
vanadium (V): 0.01 to 0.15%

with the balance consisting of iron (Fe) and unavoidable impurities, said steel being cast and forged to produce a component at least a part of which is then inductively hardened before use.

7. (Original) The high strength steel for induction hardening according to claim 6, having a Si content of 0.59 to 0.9% and wherein the equivalent of carbon  $C_{eq}$  represented by formula (1) satisfies a requirement represented by formula (2):

$$C_{eq} = C\% + 1/7 \text{ Si}\% + 1/5 \text{ Mn}\% + 1/9 \text{ Cr}\% - 5/7 \text{ S}\% + V\% \quad (1)$$

$$0.75 \leq C_{eq} \leq 0.90 \quad (2)$$

8. (Original) A component produced by inductively hardening at least a part of a product produced by casting the steel according to claim 6.

9. (Original) The component according to claim 8, wherein the component is a hub unit or a joint.

10. (Currently Amended) An induction hardened hub made from a high strength steel ~~comprising~~ consisting essentially of, by mass:

carbon (C): 0.5 to 0.7%,  
silicon (Si): 0.5 to 0.9%,  
manganese (Mn): 0.5 to 1.0%,  
chromium (Cr): not more than 0.4%, and  
sulfur (S): not more than 0.035%,

with the balance consisting of iron (Fe) and unavoidable impurities, said steel being forged into a component at least a part of which is then inductively hardened before use.

11. (Original) The induction hardened hub of claim 10 wherein the high strength steel contains 0.59 to 0.9% Si.